U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Papervork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 10/605511

Filing Date 0ctober 03, 2003

First Named Inventor Schottland et al.

Art Unit 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 10/605511

Filing Date 0ctober 03, 2003

First Named Inventor Schottland et al.

Art Unit 1995

Examiner Name GWYDWG AP

Attorney Docket Number

of 3

US-

HON 1 5 5000

U. S. PATENT DOCUMENTS Cite **Publication Date** Pages, Columns, Lines, Where Relevant Pages or Relevant Examiner Document Number Name of Patentee or No.1 Initials* MM-DD-YYYY Applicant of Cited Document Figures Appear Number-Kind Code² (F known) US- 5548491 D.M. Karpen 08-20-1996 5961208 D.M. Karpen 10-05-1999 US-4968916 JOHN M. DAVENPORT 11-06-90 ^{US-} 5059865 ROLF S. BERGMAN 10-22-91 US- 4716501 12-29-1987 McKee et al. US-US-US-US-US-US-US-US-US-US-US-UŞ-US-

| | Y | | IGN PATENT DOCU | | | |
|-----------------------|--------------------------|---|--------------------|--|--|----|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, | |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Date MM-DD-YYYY | | Where Relevant Passages Or Relevant Figures Appear | Τ6 |
| | | | | • | | |
| | | | | | | |
| | | : | | | ,,,, | |
| | | | | | | |
| | | | | · | | |
| | | | | | | |
| Examiner Signature | | | | Date | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2006, DMB 0651-0031

| Und | ler the Regerwork Red | luction | t of 1995, no persons ar | | and Trademark Office; U.S. DEPARTMENT OF CO of information unless it contains a valid OMB control | MMERCE | |
|-----------------------------------|-----------------------|-----------|--------------------------|------------------------|---|---|--|
| Substitut | e for form 1445/F2AD | EMAL | | Compl t if Known | | | |
| o do suito. | 0 10/10/// 17/10// | | | Application Numb r | 10/605511 | | |
| INFO | DRMATION | DIS | CLOSURE | Filing Dat | October 03, 2003 | | |
| STA | TEMENT E | BY A | PPLICANT | First Named Inventor | Schottland et al. | PP5-4-04-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | |
| | // Iro ac many ch/ | ante ne n | ococcand | Art Unit | 2875 | | |
| (Use as many sheets as necessary) | | | | Examiner Name | Guivoung Lee | | |
| Sheet | 2 | اه | 3 | Attorney Docket Number | GEPL.P-079 | | |

| | | NON PATENT LITERATURE DOCUMENTS | |
|--------------------|--------------------------|---|----|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
| LGY | | SAE, "Surface Vehicle Recommended Practice, (R) Performance Requirements for Motor Vehicle Headlamps", SAE J1383, iss. 04/85, rev. 12/96, pgs. 1-111. | |
| A | | VAN DERLOFSKE & BULLOUGH, "Spectral Effects of High-Intensity Discharge Automotive Forward Lighting on Visual Performance", SAE International, 2003-01-0559, pgs. 83 -90. | |
| | | VAN DERLOFSKE & BULLOUGH, "Visual Benefits of Blue Coated Lamps for Automotive Forward Lighting", SAE International, 2003-01-0930, pgs. 117-124. | |
| | | BULLOUGH, VAN DERLOFSKE, FAY, and DEE, "Discomfort Glare from Headlamps: Interactions Among Spectrum, Control of Gaze and", SAE International, 2003-01-0296, pgs. 21-25. | |
| | | SIVAK, FLANNAGAN, SCHOETTLE and ADACHI, "Driving with HID Headlamps: A Review of Research Findings", SAE International, 2003-01-0295, pgs. 15 -20. | |
| | | TIESLER-WITTIG, HAACKE, JALINK and POSTMA, "Mercury Free Xenon HID - A Challenging Development in a Global Context", SAE International, 2003-01-0558, pgs. 77 - 82. | |
| | | TESSNOW, REINERS and HERING, "Optical Near Field Measurements and Ray-Tracing Simulations of Coated and", SAE International, 2003-01-0929, pgs. 111-115. | |
| | | BRYCE, SHCOTTLAND, VICORY, and TERBURG, "Lens Material Development for Improved Halogen Headlamp Visibility", SAE International, 2003-01-0991, pgs. 153-160. | |
| | | Ground Vehicle Lighting Standards Manual, SAE International, 2003 Edition, HS-34, (R)Color Specification-SAE J578, July 2002, pgs. 180-181. | |
| L64 | | TERBURG AND SCHOTTLAND, "Lens Material Development for Improved Halogen Headlamp Performance and Brand", Progress in Automobile Lighting (PAL), 2003, 1078-1093. | |

Examiner Date Signature. Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Papel pork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/1908 TRADE Complete if Known **Application Number** 10/605511 Filing Date INFORMATION DISCLOSURE October 03, 2003 STATEMENT BY APPLICANT First Named Inventor Schottland et. al.

(Use as many sheets as necessary)

Examiner

Examiner Name Lee wyoung Attorney Docket Number GEPL.P-079 Sheet 3 3 of

Art Unit

| | | NON PATENT LITERATURE DOCUMENTS | |
|--------------------|--------------|---|----|
| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |
| LGY | | VAN DERLOFSKE, BULLOUGH, AND HUNTER, "Visual Benefits of High-Intensity Discharge Automotive Forward Lighting", SAE International, 2002-01-0259, pgs. 51-56. | |
| 1 | · I | BULLOUGH, FU AND VAN DERLOFSKE, "Discomfort and Disability Glare from Halogen and HID Headlamp Systems", SAE International, 2002-01-0010, pgs. 1-5. | |
| | | CALLAHAN AND LAPATOVICH, "On the Removal of Mercury from Automotive HID Lamps: A Technical and Regulatory Perspective", SAE International, 2002-01-0976, pgs. 201-207. | |
| | | BULLOUGH AND REA, "Driving in Snow: Effect of Headlamp Color at Mesopic and Photopic Light Levels", SAE International, 2001-01-0320, pgs. 67-75. | |
| | | VAN DERLOFSKE, BULLOUGH AND HUNTER, "Evaluation of High-intensity Discharge Automotive Forward Lighting", SAE International, 2001-01-0298, pgs. 1-7. | |
| | l l | ROSENHAHN AND HAMM, "Measurements and Ratings of HID Headlamp Impact on Traffic Safety Aspects", SAE International, 2001-01-0302, pgs. 29 - 35. | |
| -: | | KARPEN, "Neodymium Oxide Doped Headlight Lamps", SAE International, 2001-01-0319, pgs. 59-65. | |
| LGY | | ECE Regulation 99, "Uniform Provisions Concerning the Approval of Gas-Discharge Light Sources for Use in Approved Gas-Discharge Lamp" UNITED NATIONS, 08/10/01. | |
| | | | |
| | | | |
| | | | |

Signature Considered . *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.